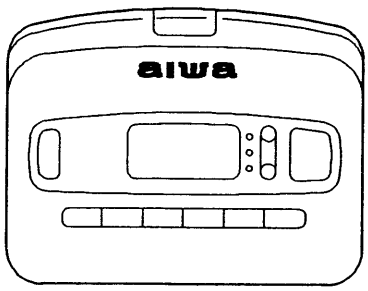
aiwa

aiwa SERVICE

HS-JS555



STEREO RADIO
CASSETTE RECORDER

• BASIC TAPE MECHANISM: 3ZM-1 R1 • TYPE: AHJ1

SERVICE MANUAL

SPECIFICATIONS

Frequency range	**Reception mode "EU"** AM 531-1,602 kHz (9 kHz steps) FM1, FM2 87.5-108 MHz (50 kHz steps) **Reception mode "US"** AM 530-1,710 kHz (10kHz steps) FM1, FM2 87.5-108.1 MHz (200 kHz steps)
Output	15 mW + 15 mW (EIAJ 16 Ω)
Power supply	DC 2.4V using two supplied rechargeable batteries NB-3A DC 3V using two R6 (size AA) batteries AC house current using an optional AC adaptor AC-620 or AC-300
Battery life	EIAJ 1 mW output playback Using fully recharged rechargeable batteries (NB-3A) 3.5 hours Using manganese (R6P) batteries 5 hours Using alkaline batteries (LR6) 13 hours EIAJ recording Using fully recharged rechargeable batteries (NB-3A) 2 hours Using manganese (R6P) batteries 3 hours Using alkaline batteries (LR6) 10 hours
Maximum dimensions (W × H × D)	119 × 88.2 × 37.8 mm ($4\frac{3}{4} \times 3\frac{1}{2} \times 1\frac{1}{2}$ inches)
Weight	Approx. 216g, 7.56 oz (including rechargeable batteries)

- Design and specifications are subject to change without notice.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
- "DOLBY" and the double-D symbol ⧈ are trademarks of Dolby Laboratories Licensing Corporation.

S/M Code No. 09-963-129-50I

ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

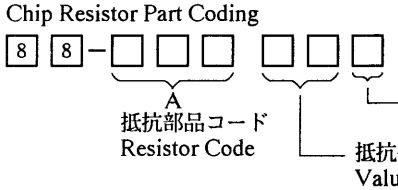
REF. NO	PART NO.	カンリ NO.	DESCRIPTION
IC			
	87-001-149-089		IC,TA8158F
	87-001-151-089		IC,TD6134F1
	87-001-971-089		IC,TA8132AF
	87-001-943-089		IC,TA8155F
	87-001-934-089		IC,BA1106F
	87-001-371-089		IC, LA4533M-TP-TI
	87-017-370-089		IC,MM1038AFF
	87-017-886-019		IC,TC9316F-048
	87-017-923-089		IC,TK11822
	87-070-450-040		IC,MM1209XWBE
TRANSISTOR			
	89-327-143-089		C-TR,2SC2714 (O)
	89-502-114-089		FET,2SK211Y
	87-026-264-089		C-TR,RN1411
	87-026-267-089		C-TR,RN 2407
	89-327-124-089		C-TR,2SC2712Y
	89-113-625-089		C-TR 2SA 1362 GR(TAPG)
	87-026-263-089		C-TR,RN1410
	89-333-266-089		C-TR,2SC3326B
	87-026-262-089		C-TR,RN1407
	87-026-268-089		C-TR,RN2411
	89-327-125-089		C-TR,2SC2712GR
	87-026-567-089		C-TR,RN1611
	87-026-467-089		C-TR,HN1C01F(GR)
	87-026-418-089		C-TR,RN1311
	87-026-429-089		C-TR,RN2311
	87-026-428-089		C-TR,RN2310
	87-026-337-080		C-TR,DTA144TU
	89-341-165-089		C-TR,2SC4116GR
	87-026-569-089		C-TR,IMZ1
DIODE			
	87-020-027-089		C-DIODE,1SS184
	87-001-142-089		C-DIODE,1SS294
	87-001-553-089		C-DIODE 1SS322 (TE85R)
MAIN C.B			
C1	87-010-322-089		C-CAP,S 100P-50 CH
C2	87-010-196-089		C-CAP,S 0.1-25 F
C3	87-010-311-089		C-CAP,S 12P-50 CH
C4	87-010-197-089		C-CAP,S 0.01-25 B
C5	87-010-319-089		C-CAP,S 56P-50 CH
C6	87-012-154-089		C-CAP,S 150P-50 CH
C7	87-010-178-089		C-CAP,S 1000P-50 B
C8	87-010-197-089		C-CAP,S 0.01-25 B
C9	87-012-153-089		C-CAP,S 120P-50 CH
C10	87-010-197-089		C-CAP,S 0.01-25 B
C11	87-010-152-089		C-CAP,S 8P-50 CH
C12	87-010-154-089		C-CAP,S 10P-50 CH
C13	87-010-147-089		C-CAP,S 3P-50 CH
C14	87-010-196-089		C-CAP,S 0.1-25 F
C15	87-010-197-089		C-CAP,S 0.01-25 B
C16	87-010-322-089		C-CAP,S 100P-50 CH
C17	87-010-196-089		C-CAP,S 0.1-25 F
C18	87-010-197-089		C-CAP,S 0.01-25 B
C19	87-012-156-089		C-CAP,S 220P-50 CH
C20	87-010-322-089		C-CAP,S 100P-50 CH
C21	87-010-197-089		C-CAP,S 0.01-25 B
C22	87-010-196-089		C-CAP,S 0.1-25 F
C23	87-010-198-089		C-CAP,S 0.022-25 B
C24	87-010-196-089		C-CAP,S 0.1-25 F
C25	87-010-196-089		C-CAP,S 0.1-25 F
C26	87-010-198-089		C-CAP,S 0.022-25 B
C27	87-010-318-089		C-CAP,S 47P-50 CH
C28	87-010-175-089		C-CAP,S 560P-50 SL
C29	87-016-047-089		C-CAP S 30P-50 UJ
C30	87-010-198-089		C-CAP,S 0.022-25 B
C31	87-010-198-089		C-CAP,S 0.022-25 B
C32	87-010-186-089		C-CAP,S 4700P-50 B
C33	87-010-198-089		C-CAP,S 0.022-25 B
C34	87-010-178-089		C-CAP,S 1000P-50 B
C35	87-010-503-049		CAP,E 220-4 GAS
C36	87-016-461-089		C-CAP,S 0.47-16 F
C37	87-016-461-089		C-CAP,S 0.47-16 F
C38	87-010-194-089		C-CAP,S 0.047-25 F
C39	87-010-497-049		CAP,E 4.7-35 GAS
C40	87-010-195-089		C-CAP,S 0.068-25 F
C41	87-010-196-089		C-CAP,S 0.1-25 F
C42	87-010-186-089		C-CAP,S 4700P-50 B
C43	87-010-196-089		C-CAP,S 0.1-25 F
C44	87-010-428-089		C-CAP,S 0.015-25 B
C45	87-010-428-089		C-CAP,S 0.015-25 B
C46	87-010-184-089		C-CAP,S 3300P-50 B
C47	87-010-196-089		C-CAP,S 0.1-25 F
C48	87-010-196-089		C-CAP,S 0.1-25 F
C49	87-010-196-089		C-CAP,S 0.1-25 F
C50	87-010-501-049		E/CAP GAS 47-4
C51	87-010-178-089		C-CAP,S 1000P-50 B
C52	87-010-178-089		C-CAP,S 1000P-50 B
C53	87-010-499-049		CAP,E 22-6.3 GAS
C54	87-016-462-089		C-CAP,S 1-16 F
C55	87-016-462-089		C-CAP,S 1-16 F
C56	87-010-188-089		C-CAP,S 6800P-50 B
C57	87-010-188-089		C-CAP,S 6800P-50 B
C58	87-016-170-089		C-CAP,TN 1-16 F95Q
C59	87-016-170-089		C-CAP,TN 1-16 F95Q
C60	87-016-462-089		C-CAP,S 1-16 F
C61	87-016-462-089		C-CAP,S 1-16 F
C62	87-010-322-089		C-CAP,S 100P-50 CH
C63	87-010-322-089		C-CAP,S 100P-50 CH
C64	87-016-462-089		C-CAP,S 1-16 F
C65	87-016-462-089		C-CAP,S 1-16 F
C66	87-010-184-089		C-CAP,S 3300P-50 B
C67	87-010-184-089		C-CAP,S 3300P-50 B
C68	87-010-958-089		C-CAP,S 0.01-25 B J
C69	87-010-958-089		C-CAP,S 0.01-25 B J
C70	87-010-499-049		CAP,E 22-6.3 GAS
C71	87-010-499-049		CAP,E 22-6.3 GAS
C72	87-010-220-089		C-CAP,S 0.018-25 B
C73	87-010-220-089		C-CAP,S 0.018-25 B
C74	87-010-587-049		E/CAP 100-2
C75	87-010-197-089		C-CAP,S 0.01-25 B
C76	87-010-184-089		C-CAP,S 3300P-50 B
C77	87-010-197-089		C-CAP,S 0.01-25 B
C78	87-010-497-049		CAP,E 4.7-35 GAS
C79	87-010-177-089		C-CAP,S 820P-50 SL
C80	87-010-197-089		C-CAP,S 0.01-25 B
C81	87-010-197-089		C-CAP,S 0.01-25 B
C82	87-010-176-089		C-CAP,S 680P-50 SL
C83	87-016-462-089		C-CAP,S 1-16 F
C84	87-016-462-089		C-CAP,S 1-16 F
C85	87-016-462-089		C-CAP,S 1-16 F
C86	87-010-503-049		CAP,E 220-4 GAS
C87	87-010-501-049		E/CAP GAS 47-4
C88	87-016-462-089		C-CAP,S 1-16 F
C89	87-016-462-089		C-CAP,S 1-16 F
C90	87-010-193-089		C-CAP,S 0.033-25 F
C91	87-010-193-089		C-CAP,S 0.033-25 F
C92	87-010-180-089		C-CAP,S 1500P-50 B
C93	87-010-180-089		C-CAP,S 1500P-50 B
C94	87-010-186-089		C-CAP,S 4700P-50 B
C95	87-010-186-089		C-CAP,S 4700P-50 B
C96	87-010-197-089		C-CAP,S 0.01-25 B
C97	87-010-197-089		C-CAP,S 0.01-25 B
C98	87-010-193-089		C-CAP,S 0.033-25 F

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
C99	87-010-193-089		C-CAP,S 0.033-25 F
C100	87-010-196-089		C-CAP,S 0.1-25 F
C101	87-010-196-089		C-CAP,S 0.1-25 F
C102	87-016-462-089		C-CAP,S 1-16 F
C103	87-016-462-089		C-CAP,S 1-16 F
C104	87-012-140-089		C-CAP,S 470P-50 CH
C105	87-012-140-089		C-CAP,S 470P-50 CH
C106	87-010-499-049		CAP,E 22-6.3V GAS
C107	87-010-178-089		C-CAP,S 1000P-50 B
C108	87-016-491-089		C-CAP,S 0.22-16 FZ
C109	87-016-491-089		C-CAP,S 0.22-16 FZ
C110	87-016-462-089		C-CAP,S 1-16 F
C111	87-010-178-089		C-CAP,S 1000P-50 B
C112	87-010-196-089		C-CAP,S 0.1-25 F
C113	87-010-503-049		CAP,E 220-4 GAS
C114	87-010-589-049		CAP,E 330-2 GAS
C115	82-HJ5-612-019		CAP,E 470-4 3.5MM
C116	87-016-350-049		CAP,E 470-4 MA GAS
C117	87-016-296-089		C-CAP,TN 22-4 SV(A)
C118	87-010-746-089		C-CAP,TN 10-4 A
C119	87-010-182-089		C-CAP,S 2200P-50 B
C120	87-010-182-089		C-CAP,S 2200P-50 B
C121	87-016-462-089		C-CAP,S 1-16 F
CF1	87-008-583-019		FLTR,GFWB 3-1 T
CF2	87-008-570-019		FLTR,SFT10.7MS23H-A
CF3	87-008-428-019		FILT, PFB 450 JR3
CF4	87-008-569-019		FLTR,CDA10.7MG-A
CF5	87-030-433-019		VIB,CER CMU2F456A01
IFT1	87-008-386-019		IFT MW
J1	87-099-914-019		JACK,3.5 BLK
J2	87-099-914-019		JACK,3.5 BLK
J3	87-009-022-019		DC JACK LONG
L1	84-HJ5-605-019		COIL,FM OSC
L2	84-HJ5-604-019		COIL,FM RF
L3	87-005-564-089		C-COIL,S 2.2UH K
L4	82-HJ6-612-019		BAR,ANT
L5	87-003-226-089		COIL,100UH
L7	87-007-189-019		COIL,OSC
L8	87-003-243-089		C-COIL, S 10UH, K
L9	87-003-097-089		COIL,1UH
L10	87-003-097-089		COIL,1UH
L11	87-003-097-089		COIL,1UH
L12	87-003-089-019		COIL,47UH
L13	84-526-609-019		COIL, ROADING
L14	87-003-243-089		C-COIL, S 10UH, K
L15	87-003-243-089		C-COIL, S 10UH, K
R45	87-022-198-089		C-RES,S 680-1/10W F
R46	87-022-198-089		C-RES,S 680-1/10W F
R47	87-022-341-089		C-RES,S 560-1/10W F
R48	87-022-341-089		C-RES,S 560-1/10W F
R98	87-022-656-089		M-RES,K43G 0.68
R99	87-026-256-090		THMS,HT-100
SFR1	87-024-050-019		SFR 1K
SW1	87-036-082-010		SW,SLIDE 2-2-2
SW2	87-036-304-089		C-SW;SL 1-1-2
SW3	87-036-304-089		C-SW,SL 1-1-2
SW4	87-036-414-019		SW,SL 2-2-2
SW5	87-036-304-089		C-SW,SL 1-1-2
SW6	87-036-110-019		SW,PUSH SPPB 62
SW7	87-036-411-019		SW,LEAF

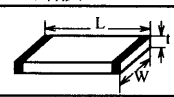
REF. NO	PART NO.	カンリ NO.	DESCRIPTION
TC1	87-011-155-019		TRIMER,CER 10P
VC1	87-017-925-079		C-VARACTOR,KV1460
VC2	87-017-925-079		C-VARACTOR,KV1460
VC3	87-017-645-079		C-VARICAP,KV1580
VR1	87-024-326-019		VOL 20KAX2 DIA8
CONTROL C.B			
C303	87-010-831-089		C-CAP,U 0.1-16F
C304	87-010-831-089		C-CAP,U 0.1-16F
C305	87-016-462-089		C-CAP,S 1-16 F
C306	87-016-462-089		C-CAP,S 1-16 F
C307	87-012-285-089		C-CAP,U 8200P-50 B
C308	87-012-285-089		C-CAP,U 8200P-50 B
C309	87-010-830-089		C-CAP,U 0.068-16F
C310	87-010-830-089		C-CAP,U 0.068-16F
C311	87-012-284-089		C-CAP,U 6800P-50 B
C312	87-012-284-089		C-CAP,U 6800P-50 B
C313	87-016-462-089		C-CAP,S 1-16 F
C314	87-016-462-089		C-CAP,S 1-16 F
C325	87-010-831-089		C-CAP,U 0.1-16F
C326	87-012-184-089		C-CAP,U 33P-50 CH
C327	87-A10-029-089		C-CAP,U 7P-50 CH
C328	87-A10-031-089		C-CAP,U 0.01-25K B
C329	87-010-831-089		C-CAP,U 0.1-16F
C330	87-010-831-089		C-CAP,U 0.1-16F
C331	87-010-831-089		C-CAP,U 0.1-16F
C332	87-A10-031-089		C-CAP,U 0.01-25K B
C341	87-012-184-089		C-CAP,U 33P-50 CH
C342	87-012-167-089		C-CAP,U 5P-50 CH
C343	87-012-170-089		C-CAP,U 8P-50 CH
C344	87-016-462-089		C-CAP,S 1-16 F
C345	87-010-831-089		C-CAP,U 0.1-16F
C346	87-016-462-089		C-CAP,S 1-16 F
C347	87-010-831-089		C-CAP,U 0.1-16F
C349	87-010-787-089		C-CAP,U 0.022-25B
C350	87-010-505-089		C-CAP,TN 1-16
C351	87-A10-031-089		C-CAP,U 0.01-25K B
C358	87-016-462-089		C-CAP,S 1-16 F
C359	87-010-831-089		C-CAP,U 0.1-16F
C362	87-016-462-089		C-CAP,S 1-16 F
L301	87-005-784-089		C-COIL,DD(5CDL)
LCD301	84-HJ5-606-010		LCD,HS ASSY(BAND/TU)
LED301	87-017-828-070		C-LED,SEC 1401C GRN
LED302	87-017-829-070		C-LED,SEC 1901C ORN
LED303	87-017-827-070		C-LED,SEC 1201C RED
R382	87-022-255-089		C-RES,U 47K-1/16WF
R383	87-022-251-089		C-RES,U 33K-1/16W F
SW301	87-036-367-189		C-SW,TACT PT-030-A
X301	87-030-421-019		VIB,XTAL KF-38R5
CONT.FLEX.C.B			
	84-HJ5-603-010		PWB,FLEX CONT
HEAD FLEX.C.B			
RPH1	87-046-408-019		HEAD ASSY,R PH
SW1	87-036-357-019		SW,SL 2-2-2(NC)

○チップ抵抗部品コード/CHIP RESISTOR PART CODE

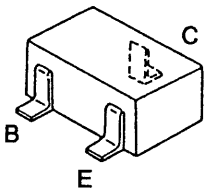
チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



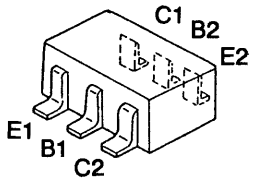
チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法(mm)/Dimensions 外形/Form	L	W	t	抵抗コード :A Resistor Code: A
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

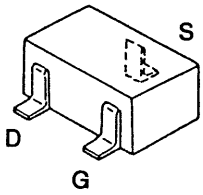
TRANSISTOR ILLUSTRATION



2SA1362
2SC2712
2SC2714
2SC3326
2SC4116
DTA144TU
RN1311
RN1407
RN1410
RN1411
RN2310
RN2311
RN2407
RN2411



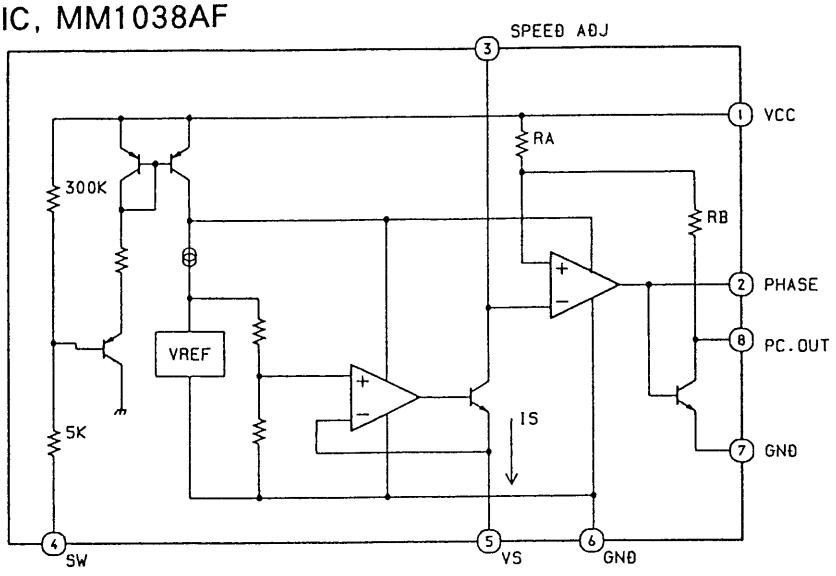
HN1C01F
IMZ1
RN1611



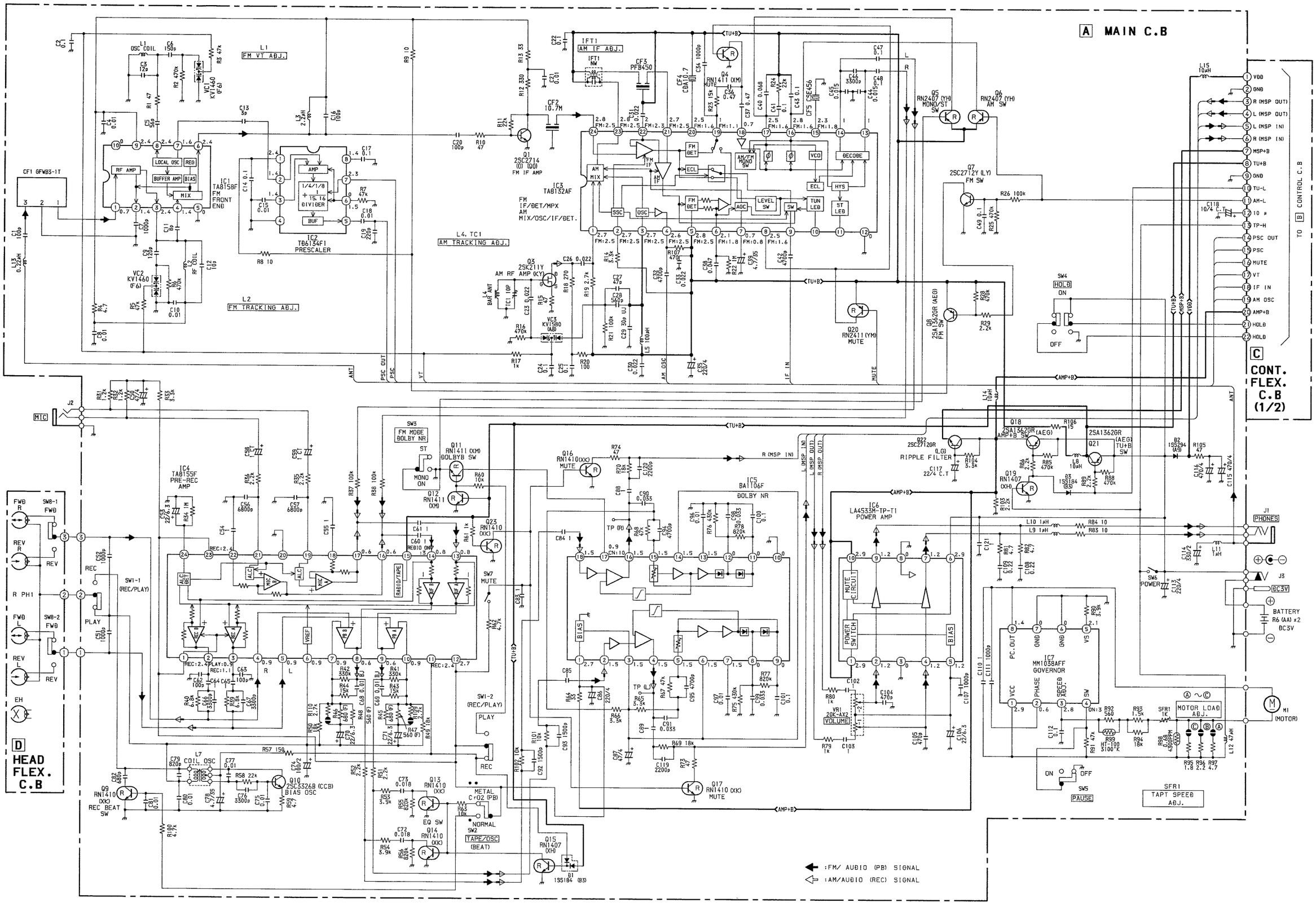
2SK211

IC BLOCK DIAGRAM

IC, MM1038AF



SCHEMATIC DIAGRAM – 1 (MAIN SECTION)



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A B C D E F G H I J K

C CONT.

A MAIN C.B

FLEX.C.B (1/2)

TO B CONTROL C.B

22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

BATTERY ⊕ R6 (AA) ⊖

BATTERY ⊕ R6 (AA) ⊖

SW4

SW4
HOLD
ON
OFF

L4
(BAR ANT)

J3
DC3V

VR1
VOLUME

J2
MIC

J1
PHONES

<BLU>

<GRN>

M1
(MOTOR)

<BLK>

<WHT>

<BRN>

<RED>

SW1
(REC/PLAY)
REC
PLAY

SW6
(POWER)

D HEAD FLEX.C.B

SW5
PAUSE
ON ⟷ OFF

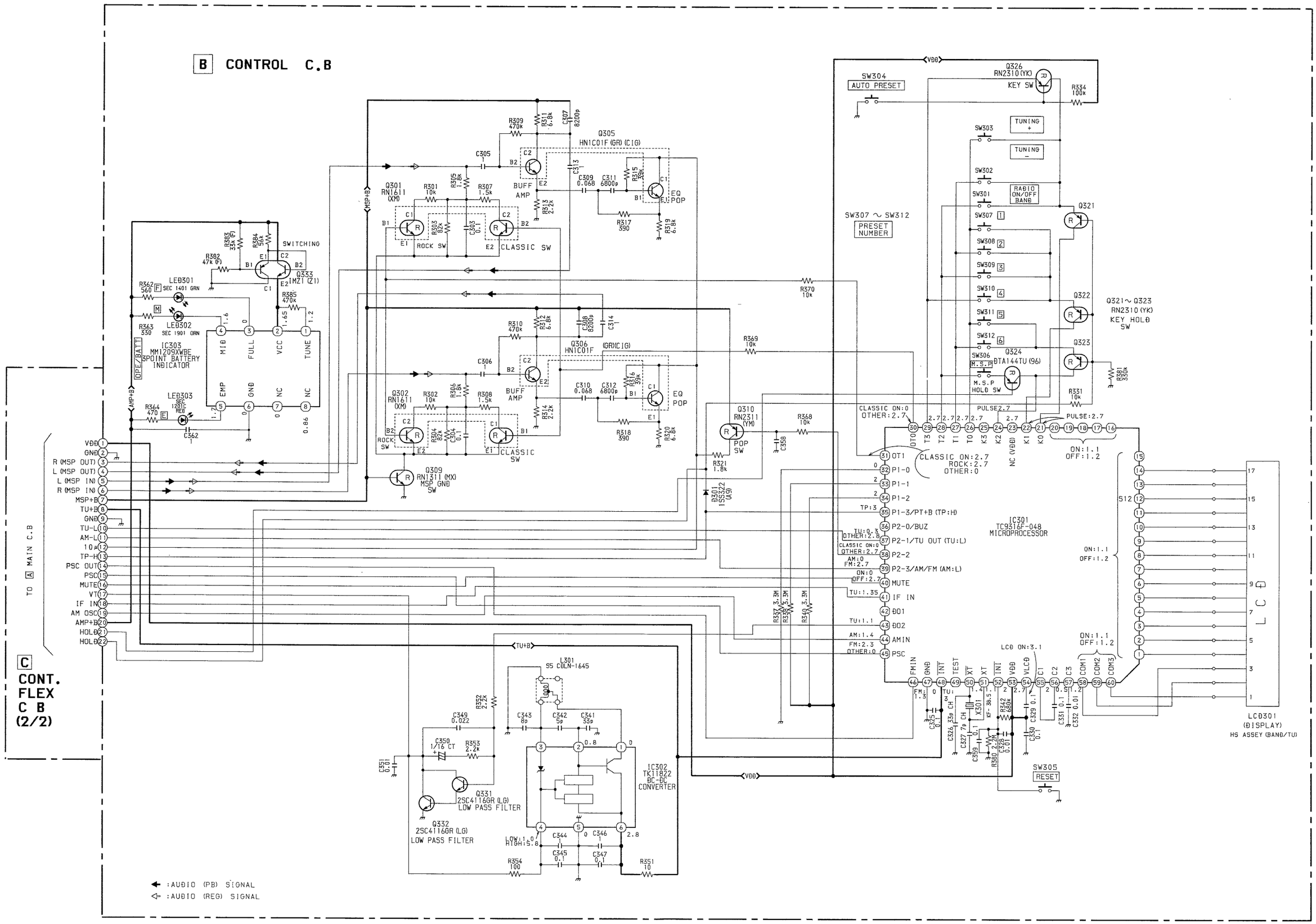
SW2
TAPE/OSC
METAL ⟷ NORMAL
CrO_2 (PB)

SW7
(MUTE)

SW3
FM MODE
DOLBY NR
MONO ON ⟷ ST OFF

RPH1

SW8
(FWD ⟷ REV)


B CONTROL C.B
IC303 MM1209XWBE 3POINT BATTERY INDICATOR
IC301 TC9316F-048 MICROPROCESSOR
IC302 TK11822 DC-DC CONVERTER
Q305 HN1C01F (GR) (C1G)
Q306 HN1C01F (GR)(C1G)
Q310 RN2311 (YM)
Q326 RN2310 (YK) KEY SW
Q321~Q323 RN2310 (YK) KEY HOLD SW
Q324 DTA144TU (96)
Q333 IMZ1 (Z1)
LED301 SEC 1401 GRN
LED302 SEC 1901 ORN
LED303 SEC 1201C RED
SW304 AUTO PRESET
SW307 ~ SW312 PRESET NUMBER
SW303 TUNING + / TUNING –
SW302 RADIO ON/OFF BAND
SW306 M.S.P HOLD SW
SW305 RESET
LCD301 (DISPLAY) HS ASSEY (BAND/TU)
TO A MAIN C.B
C CONT. FLEX C B (2/2)
: AUDIO (PB) SIGNAL
: AUDIO (REG) SIGNAL

C CONT.FLEX.
C.B (2/2)

TO A MAIN C.B

B CONTROL C.B

SW312 SW311 SW310 SW309 SW308 SW307
6 5 4 3 2 1
PRESET NUMBER

SW306
M·S·P
MULTISOUND
PROCESSOR

SW301
RADIO
ON/OFF
BAND

SW302
–
TUNING
+
SW303

OPE/BATT
LED303 E
LED302 M
LED301 F

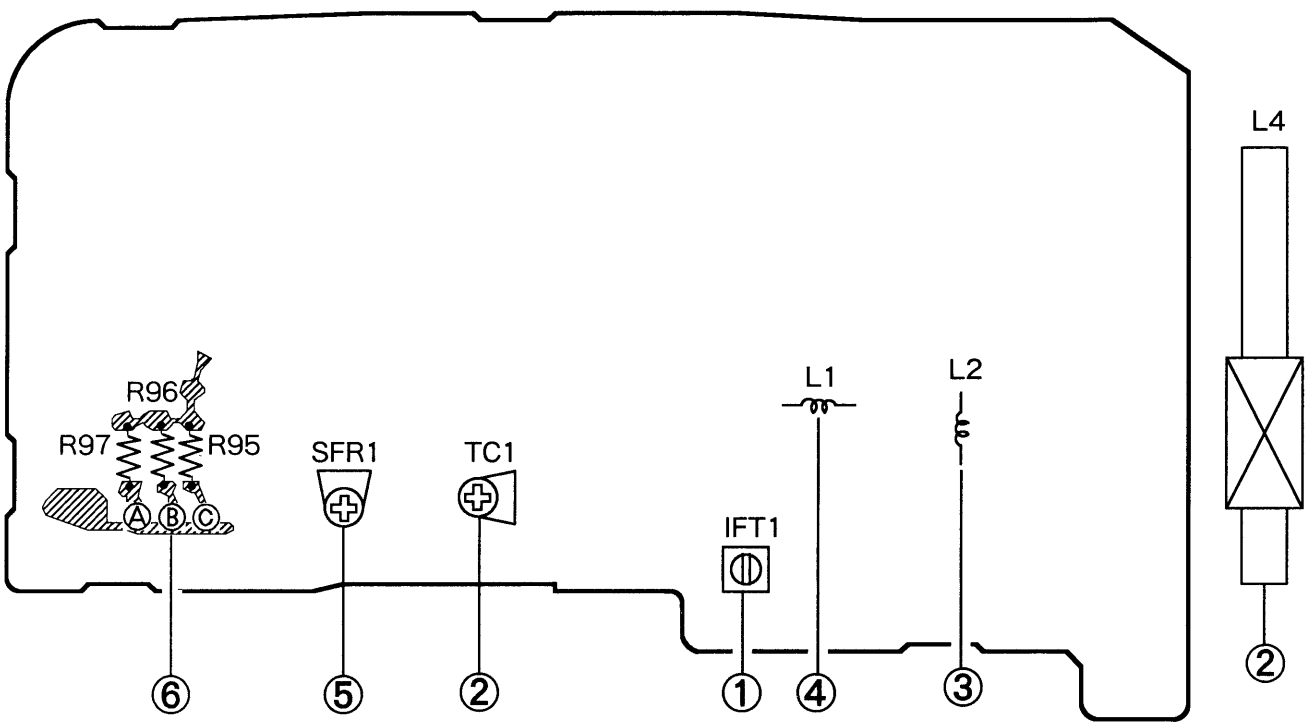
LCD301
(DISPLAY)

SW304
AUTO
PRESET

SW305
RESET

ADJUSTMENT

[A] MAIN C. B



<RADIO SECTION>

1. AM IF Adjustment

IFT1 ····· 450 kHz

2. AM Tracking Adjustment

L4 ····· 630 kHz

TC1 ····· 1440 kHz

3. FM Tracking Adjustment

L2 ····· 87.5 MHz

4. FM VT Adjustment

Settings : • Adjustment Location : L1

Method : Set to FM 87.5 MHz and adjust L1 so that becomes 2.35 V-2.37 V. Set to FM 108.0 MHz, check the voltage for 5.0 V-6.4 V.

<TAPE RECORDER SECTION>

5. Tape Speed Adjustment

Settings : • Test tape : TTA-100
• Test point : PHONES JACK
• Adjustment location : SFR1

Method : Play back the test tape, adjust for 3015 ± 10 Hz at FWD and ± 50 Hz at REV.

6. Motor Load Adjustment

Perform the STOP→PLAY and REVERSE operations (or PAUSE ON→OFF) after the motor is replaced. When the tape starts running smooth, this adjustment is not necessary. This adjustment following the procedure below.

1) Solder only medium resistor pattern (B) of the MOTOR AND GOVERNOR MATCHING ADJ. resistor group.
2) Set the tape speed (using speed adjustment SFR).
3) Restrict the motor rotation by hand (or turn PAUSE ON).
4) Remove your hand and listen to the beginning of the tape-run.
5) When the rise of tape running is smooth, no mote adjustment is necessary.
   If wow continues for 1 to 2 seconds at the rise time, reduce the combined resistance according to procedure 6 and check that the tape starts running smooth.
6) Solder the resistor pattern according to the table below.

Pattern	(Procedure 1 above)	Step(1)	Step(2)	Step(3)
High resistance Ⓐ	Open	Open	Solder	Open
Medium resistance Ⓑ	Solder	Open	Open	Solder
Low resistance Ⓒ	Open	Solder	Solder	Solder

7) Finally re-check the tape speed.
   Caution : Cool the patterns down to normal temperature after-soldering. If the pattern remains heated, the governor circuit does not operate normally.

PRACTICAL SERVICE FIGURE

<RADIO SECTION>

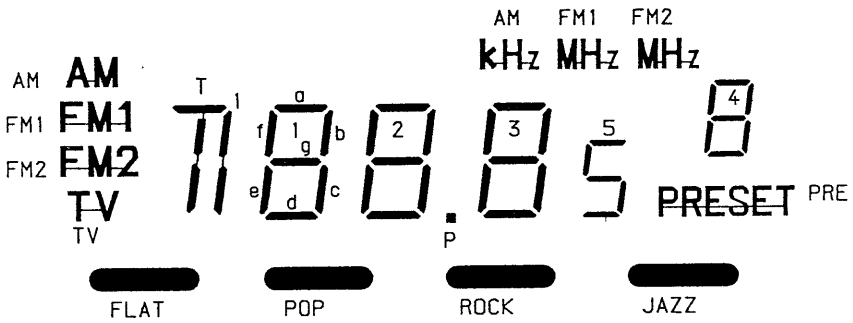
Sensitivity:

(IHF, THD 3%)	FM	10 dB ± 5 dB (87.5 MHz)
		13 dB ± 5 dB (98.0 MHz)
		14 dB ± 5 dB (108.0 MHz)
(S/N 10dB)	AM	52 dB ± 4dB (630 kHz)
		50 dB ± 4dB (999 kHz)
		48 dB ± 4dB (1440 kHz)
Intermediate frequency:	FM	10.7 MHz ± 0.1 MHz
	AM	450 kHz ± 3.0 kHz
FM Stereo Separation:	FM	18 dB ± 3 dB (98.0 MHz)

<TAPE RECORDER SECTION>

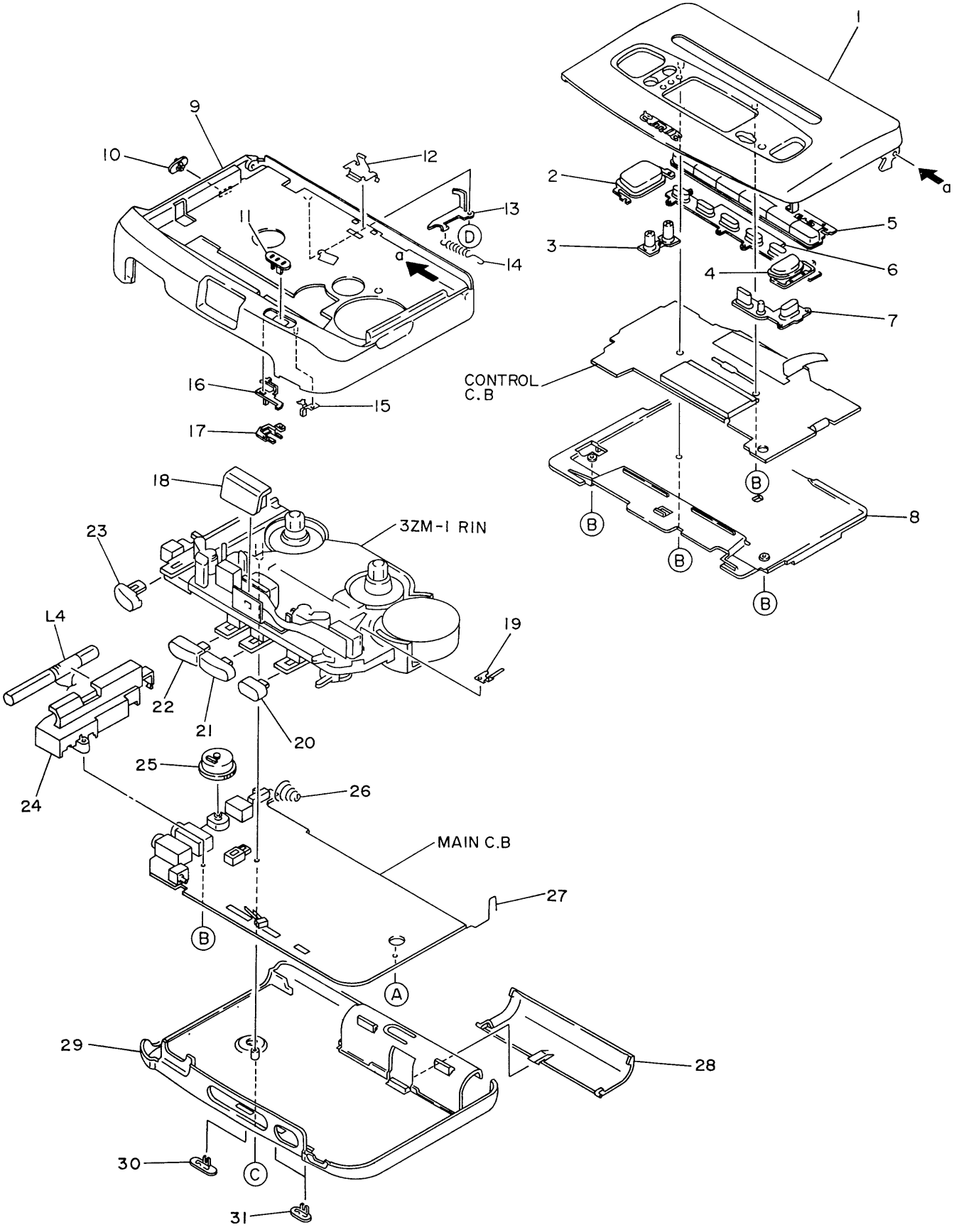
Tape speed:	3015 Hz ± 50 Hz
Wow & flutter:	Less than 0.52% (RMS)
Take-up torque:	25~40g-cm (FWD)
F. F torque:	More than 70 g-cm
Rew torque:	More than 70 g-cm
Back tension:	1.0 g-cm~4.0 g-cm (FWD, REV)
S/N ratio:	More than 43 dB (DC, PB)
Distortion:	Less than 2.5% (DC, PB)
Noise level:	Less than 6 mV (Vol MAX, DC)
	Less than 0.2 mV (Vol MIN, DC)
Frequency response:	63 Hz ± 4 dB~8 kHz ± 4.5 dB (NORMAL)
	63 Hz ± 4 dB~10 kHz ± 5 dB (CrO_2, METAL)

LCD DISPLAY



No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
COM1	—	—	COM1	FLAT	T	1	1e	1d	POP	2e	2d	P	3e	3d	PRE	4e	4d
COM2	—	COM2	—	TV	FM1	1f	1g	1c	2f	2g	2c	3f	3g	3c	4f	4g	4c
COM3	COM3	—	—	FM2	AM	—	1a	1b	5	2a	2b	ROCK	3a	3b	JAZZ	4a	4b

MECHANICAL EXPLODED VIEW 1/1

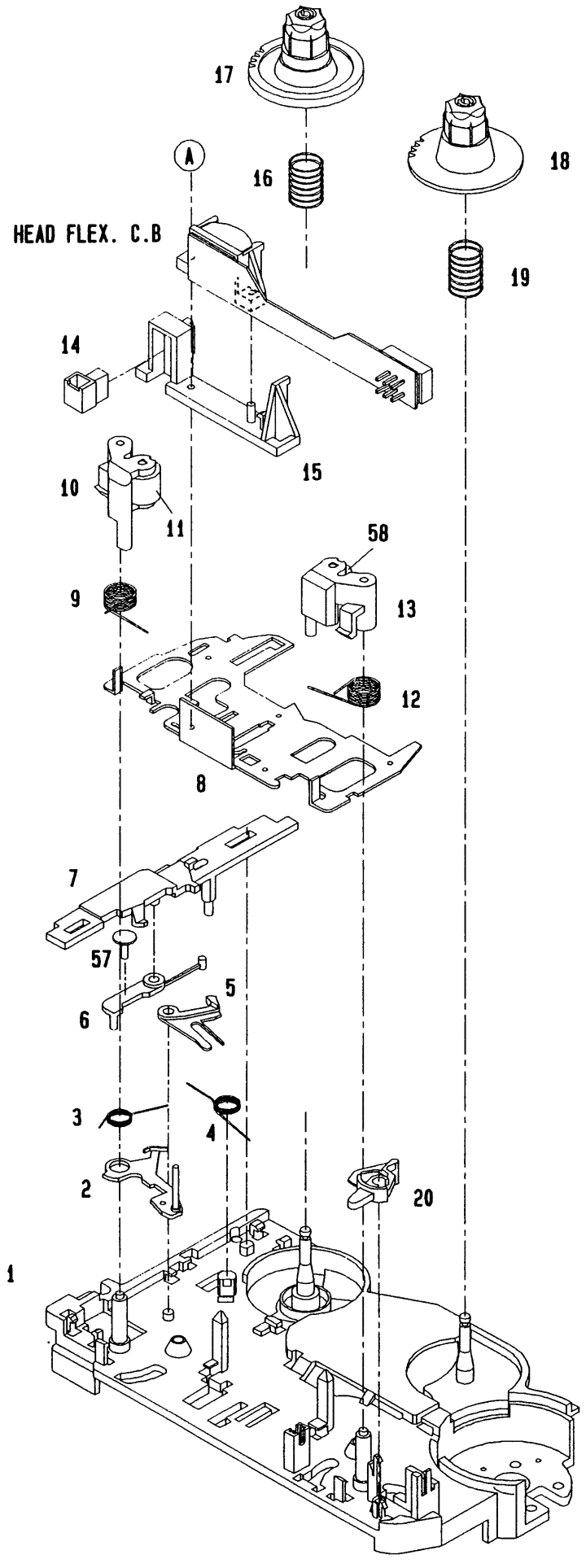


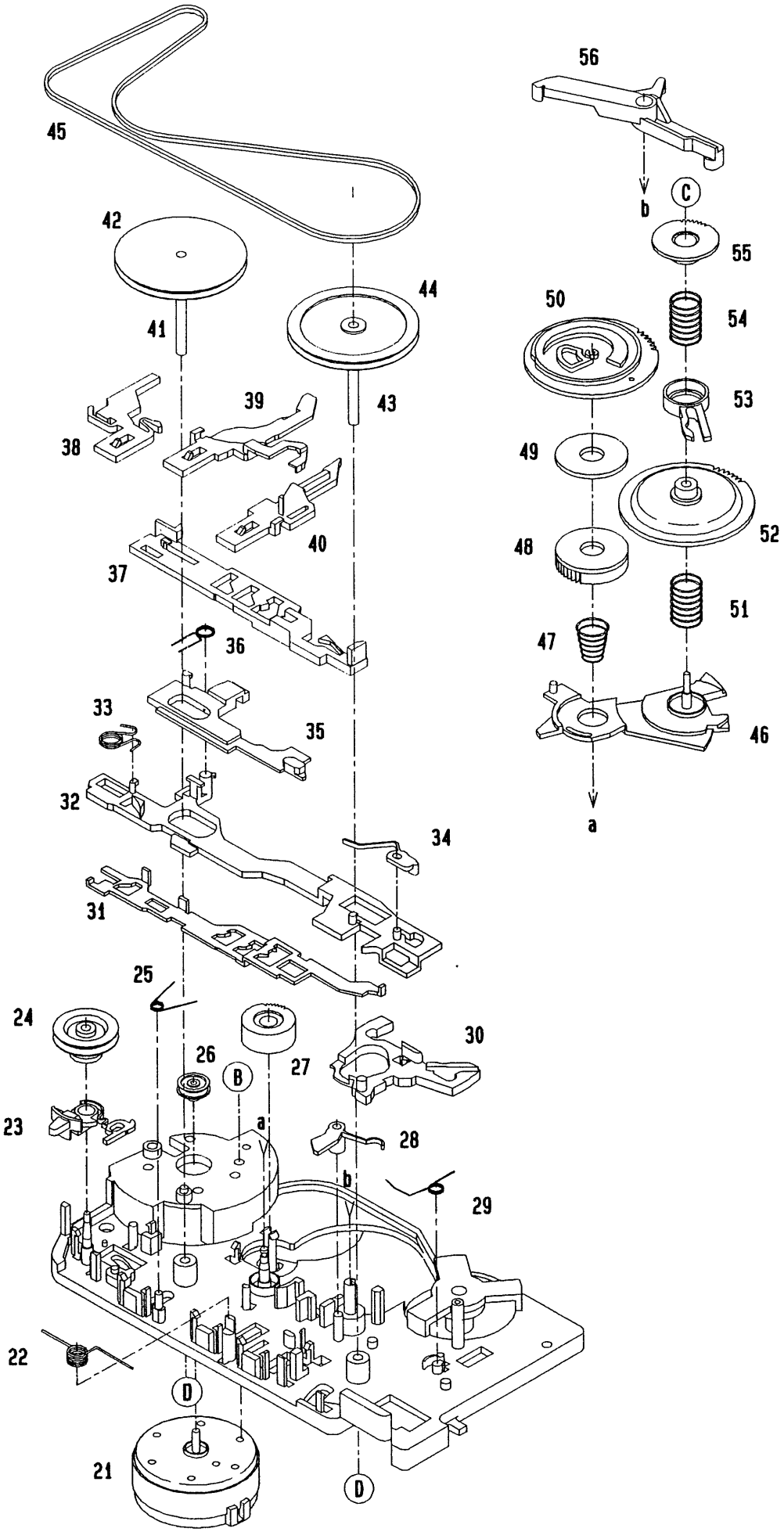
MECHANICAL PARTS LIST 1／1

DESCRIPTIONで判断できない物は “REFERENCE NAME LIST” を参照してください。
If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	09-028-232-010		LID CASS ASSY
2	84-HJ5-004-119		KEY,FUNC
3	84-HJ5-008-019		KEY,TUNE
4	84-HJ5-005-019		KEY,MSP
5	84-HJ5-020-019		KEY,PRESET 555
6	84-HJ5-202-019		KEY,PRE RBR
7	84-HJ5-007-019		KEY,SET
8	84-HJ5-201-019		COVER,CASS
9	84-HJ5-012-019		FRAME
10	84-HJ5-016-019		KNOB,SL H
11	84-HJ6-017-019		KNOB,OPEN
12	84-HJ6-214-010		SPR,C-PUSH
13	84-HJ6-203-119		LVR,RP
14	84-HJ6-209-119		SPR-E,RP
15	84-HJ6-210-110		SPR,EL
16	84-HJ6-204-119		LVR,C-LOCK
17	84-HJ6-206-019		HLDR,EL
18	84-HJ6-008-019		P-BUTTON,PLAY
19	84-HJ6-211-010		SPR,PU
20	84-HJ6-009-019		P-BUTTON,STOP
21	84-HJ6-010-019		P-BUTTON,FF
22	84-HJ6-011-019		P-BUTTON,REW
23	84-HJ6-012-019		P-BUTTON,REC
24	84-HJ6-202-219		HLDR,ANT
25	84-506-028-119		KNOB VOLUME
26	84-HJ6-208-019		TERM,BATT M
27	84-HJ6-207-019		TERM,BATT P
28	84-HJ6-007-019		LID,BATT
29	84-HJ5-010-019		CAB,REAR ASSY
30	84-HJ5-009-019		KNOB,SL D
31	84-HJ6-015-119		KNOB,SL A
A	87-266-533-319		V+1.7+6(3)
B	87-067-384-019		VT+1.4-3.5(HL)
C	87-067-430-019		VT (FOR RESIN)1.4-5 (BLK)HL
D	87-078-124-019		S,HINGE 1.4-0.9-2 HL

TAPE MECHANISM EXPLODED VIEW 1/1



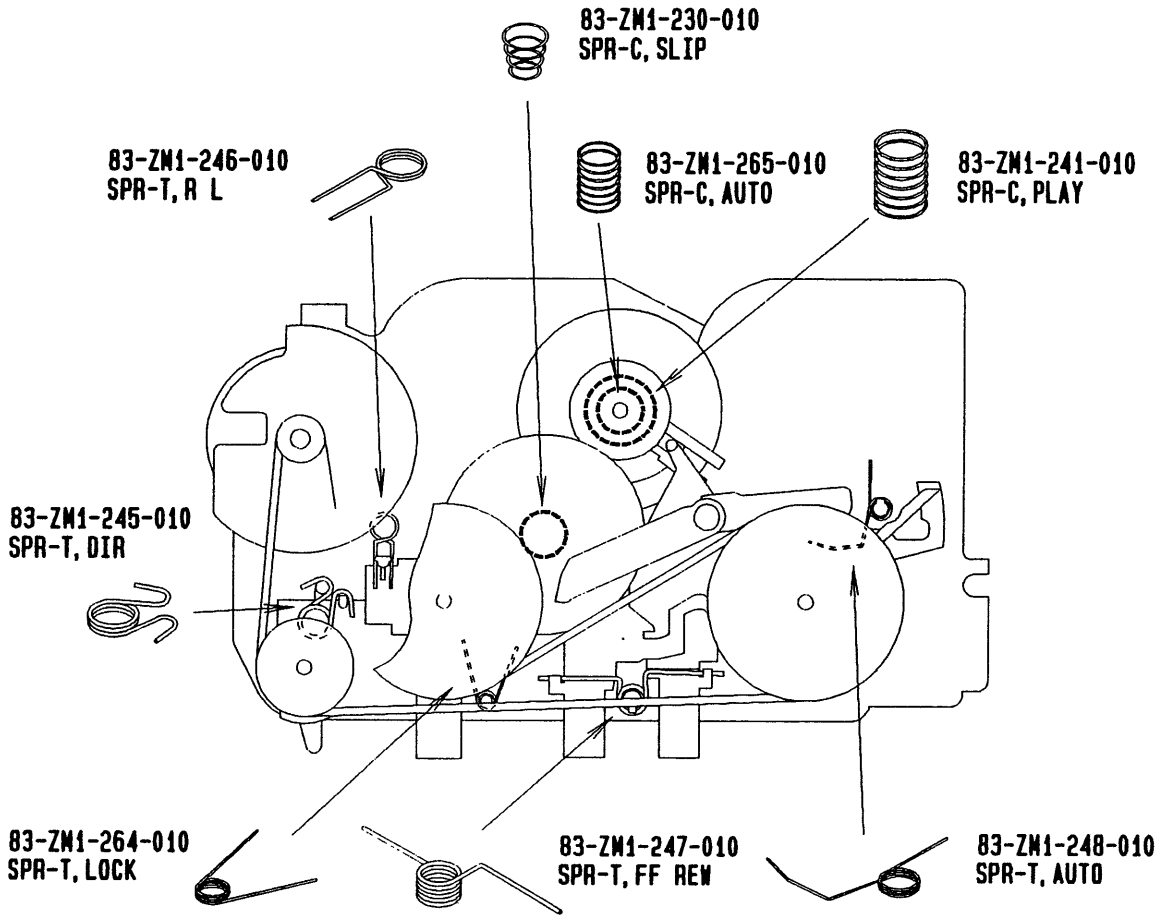

45
42
41
44
43
39
38
40
37
36
33
35
32
34
31
25
24
26
B
27
30
23
a
28
b
29
22
D
21
D
56
b
C
55
50
54
53
49
52
48
51
47
46
a

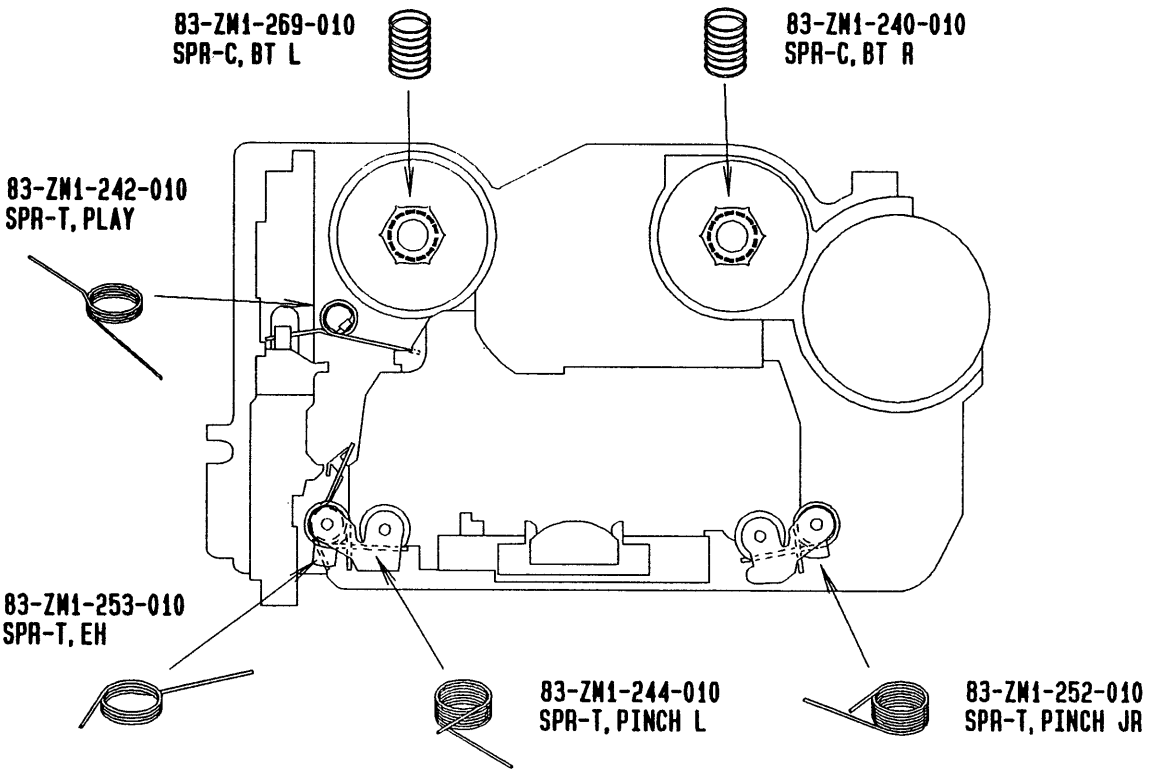
TAPE MECHANISM PARTS LIST 1／1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	83-ZM1-201-61K		CHAS,MAIN
2	83-ZM1-272-11K		LVR ASSY,EH
3	83-ZM1-253-010		SPR-T,EH
4	83-ZM1-242-010		SPR-T,PLAY
5	83-ZM1-260-010		LVR,REC LOCK
6	83-ZM1-250-010		LVR,REC
7	83-ZM1-249-010		LVR,BTN REC
8	83-ZM1-206-219		LVR,BTN PLAY
9	83-ZM1-244-019		SPR-T,PINCH L
10	83-ZM1-220-119		LVR,PINCH L
11	83-ZM1-289-010		PINCH ROL ASSY,L
12	83-ZM1-252-319		SPR-T,PINCH JR
13	83-ZM1-219-119		LVR,PINCH R
14	86-541-559-010		EH 2
15	83-ZM1-263-01K		GUIDE,TAPE
16	83-ZM1-269-119		SPR-C,BT L
17	83-ZM1-235-31K		GEAR,REEL L
18	83-ZM1-234-31K		GEAR,REEL R
19	83-ZM1-240-119		SPR-C,BT R
20	83-ZM1-210-119		BTN DIR
21	87-045-385-019		MOTOR (BCY3B11)
22	83-ZM1-247-119		SPR-T,FF REW
23	83-ZM1-266-219		BTN,MODE CHG
24	83-ZM1-236-01K		PULLEY,BELT
25	83-ZM1-264-019		SPR-T,LOCK
26	83-ZM1-237-21K		PULLEY,MOTOR
27	83-ZM1-233-119		GEAR,R
28	83-ZM1-267-119		LVR,DEF AUTO
29	83-ZM1-248-019		SPR-T,AUTO
30	83-ZM1-211-110		LINK,AUTO
31	83-ZM1-216-419		LVR,LOCK
32	83-ZM1-214-419		LVR,DIR
33	83-ZM1-245-219		SPR-T,DIR
34	83-ZM1-268-010		LVR,REC AUTO
35	83-ZM1-215-119		LVR,FR
36	83-ZM1-246-119		SPR-T,R L
37	83-ZM1-261-010		LVR,CUE REV
38	83-ZM1-209-219		LVR,BTN STOP
39	83-ZM1-207-119		LVR,BTN FF
40	83-ZM1-208-119		LVR,BTN REW
41	83-ZM1-278-010		SHAFT,CAP 2.0SEF
42	83-ZM1-222-310		FLY-WHL,R
43	83-ZM1-282-010		SHAFT,CAP 2.0 RR
44	83-ZM1-225-310		FLY-WHL,L
45	83-ZM1-259-310		BELT;P
46	83-ZM1-217-219		LVR,PLAY
47	83-ZM1-230-119		SPR-C,SLIP
48	83-ZM1-229-019		GEAR,SLIP
49	83-ZM1-228-119		FELT
50	83-ZM1-227-21K		GEAR,AUTO
51	83-ZM1-241-219		SPR-C,PLAY
52	83-ZM1-231-219		GEAR,PLAY
53	83-ZM1-218-219		LVR,SLIP
54	83-ZM1-265-019		SPR-C,AUTO
55	83-ZM1-232-119		GEAR,FR
56	83-ZM1-273-019		LVR,AUTO 2
57	83-ZM1-283-010		SHAFT,REC H
58	83-ZM1-255-010		PINCH ROL ASSY
A	87-078-111-019		S-SCRW,V+1.7-6
B	87-078-100-019		S-SCRW,V+1.7-2.5
C	87-078-132-010		PW,1.2-3.5-0.25C-CUT
D	87-078-086-019		SOMA,1.5-3.5-0.3 SLT

SPRING APPLICATION POSITION





REFERENCE NAME LIST

ELECTRICAL SECTION

DESCRIPTION	REFERENCE NAME
ANT	ANTENNAS
C-	CHIP
C-CAP	CAP, CHIP
C-CAP TN	CAP, CHIP TANTALUM
C-COIL	COIL, CHIP
C-DI	DIODE, CHIP
C-DIODE	DIODE, CHIP
C-FET	FET, CHIP
C-FOTR	FILTER, CHIP
C-JACK	JACK, CHIP
C-LED	LED, CHIP
C-RES	RES, CHIP
C-SFR	SFR, CHIP
C-SLIDE SW	SLIDE SWITCH, CHIP
C-SW	SWITCH, CHIP
C-TR	TRANSISTOR, CHIP
C-VR	VOLUME, CHIP
C-ZENER	ZENER, CHIP
CAP, CER	CAP, CERA-SOL
CAP, E	CAP, ELECT
CAP, M/F	CAP, FILM
CAP, TC	CAP, CERA-SOL
CAP, TC-U	CAP, CERA-SOL SS
CAP, TN	CAP, TANTALUM
CERA FIL	FILTER, CERAMIC
CF	FILTER, CERAMIC
DL	DELAY LINE
E/CAP	CAP, ELECT
FILT	FILTER
FLTR	FILTER
FUSE RES	RES, FUSE
MOT	MOTOR
P-DIODE	PHOTO DIODE
P-SNSR	PHOTO SENSER
P-TR	PHOTO TRANSISTOR
POLY VARI	VARIABLE CAPACITOR
PPCAP	CAP, PP
PT	POWER TRANSFORMER
PTR, RES	PTR, MELF
RC	REMOTE CONTROLLER
RES NF	RES, NON-FLAMMABLE
RESO	RESONATOR
SHLD	SHIELD
SOL	SOLENOID
SPKR	SPEAKER
SW, LVR	SWITCH, LEVER
SW, RTRY	SWITCH, ROTARY
SW, SL	SWITCH, SLIDE
TC CAP	CAP, CERA-SOL
THMS	THERMISTOR
TR	TRANSISTOR
TRIMMER	CAP, TRIMMER
TUN-CAP	VARIABLE CAPACITOR
VIB, CER	RESONATOR, CERAMIC
VIB, XTAL	RESONATOR, CRYSTAL
VR	VOLUME
ZENER	DIODE, ZENER
サージサプレッサ	SERGESUPPRESSOR
セラコン	CAP,CERA

MECHANICAL SECTION

DESCRIPTION	REFERENCE NAME
ADHESHIVE	SHEET ADHESHIVE
AZ	AZIMUTH
BAR-ANT	BAR-ANTENNA
BAT	BATTERY
BATT	BATTERY
BRG	BEARING
BTN	BUTTON
CAB	CABINET
CASS	CASSETTE
CHAS	CHASSIS
CLR	COLLAR
CONT	CONTROL
CRSR	CURSOR
CU	CUSHION
CUSH	CUSHION
DIR	DIRECTION
DUBB	DUBBING
FL	FRONT LOADING
FLY-WHL	FLYWHEEL
FR	FRONT
FUN	FUNCTION
G-CU	G-CUSHION
HDL	HANDOL
HIMERON	CLOTH
HINGE, BAT	HINGE, BATTERY
HLDR	HOLDER
HT-SINK	HEAT SINK
IB	INSTRUCTION BOOKLET
IDLE	IDLER
IND, L-R	INDICATOR, L-R
KEY, CONT	KEY, CONTROL
KEY, PRGM	KEY, PROGRAM
KNOB, SL	KNOB, SLIDE
LBL	LABEL
LID, BATT	LID, BATTERY
LID, CASS	LID, CASSETTE
LVR	LEVER
P-SP	P-SPRING
PANEL, CONT	PANEL, CONTROL
PANEL, FR	PANEL, FRONT
PRGM	PROGRAM
PULLY, LOAD MO	PULLY, LOAD MOTOR
RBN	RIBBON
S-	SPECIAL
SEG	SEGMENT
SH	SHEET
SHLD-SH	SHIELD-SHEET
SL	SLIDE
SP	SPRING
SP-SCREW	SPECIAL-SCREW
SPACER, BAT	SPACER, BATTERY
SPR	SPRING
SPR-P	P-SPRING
SPR-PC-PUSH	P-SPRING, C-PUSH
T-SP	T-SPRING
TERM	TERMINAL
TRIG	TRIGGER
TUN	TUNING
VOL	VOLUME
W	WASHER
WHL	WHEEL
WORM-WHL	WORM-WHEEL
ジグアーム	ARM,SHAFT
ジグガイド	GUIDE,SHAFT
ストラップ	STRAP
トクナベ	S-SCREW
ヒンジ	HINGE
ヒンジビス	S-SCREW
ビスセレート	SCREW,SERRART

■ ACCESSORIES／PACKAGE LIST

DESCRIPTIONで判断できない物は “REFERENCE NAME LIST” を参照してください。
If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

REF. NO	PART NO.	カンリ NO.	DESCRIPTION
1	84-HJ5-906-019		IB,EX-ESC-555
2	87-041-083-019		CM-S40A
3	87-042-178-019		RB-105H
4	87-048-309-019		HP-24NA N
5	87-080-029-019		CLIP-BELT ASSY

サービス技術ニュース	
番 号	連絡内容
G－ －	
G－ －	
G－ －	

アイワ株式会社
AIWA CO.,LTD.

〒110 東京都台東区池之端１－２－11　☎ 03 (3827) 3111 （代表）

921502 750038

Tokyo Japan

Printed in Singapore